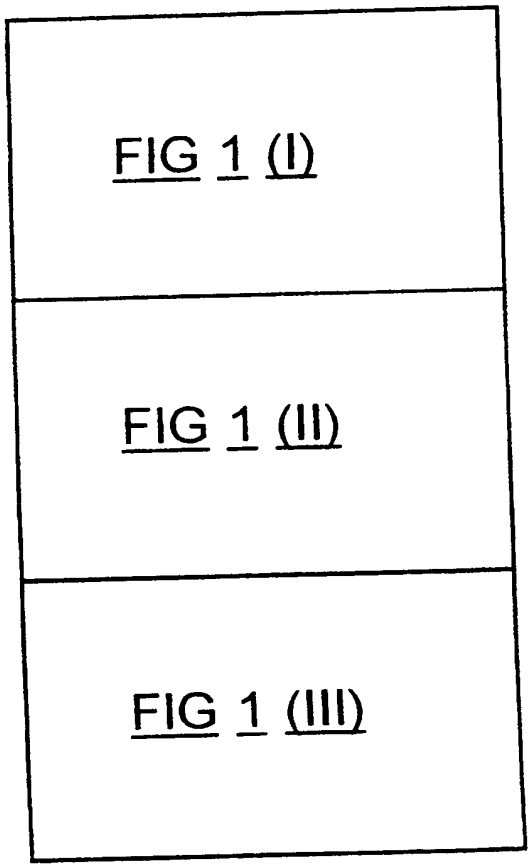


FIG 1

FIGURE 1 (I)

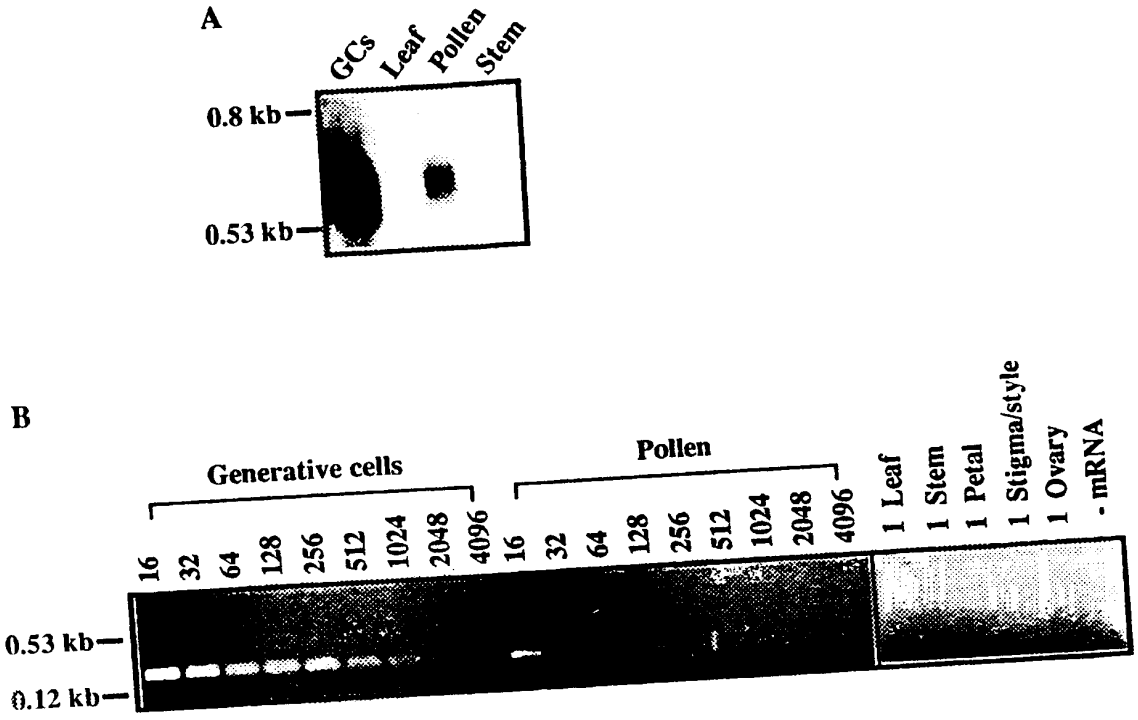
```
GCCATCCCAT CAACAGAAGG TTTAAGTGGA AATCCATTTC ATTAGAAAAG          50

ATCGGACAAA GGGTACTCTT AAGCATACAA C ATG AGG GCG GTG GCG          96
                                   Met Arg Ala Val Ala
                                                    5

GTT TTC TTT GCT TGC GTT CTC TTC TGT ATG GTT CAC AAA GCC        138
Val Phe Phe Ala Cys Val Leu Phe Cys Met Val His Lys Ala
                 10                  15

GCA CTT GCG GAT GAT AAA ACG TGC AAC CCT ACA GAT TTT ATG        180
Ala Leu Ala Asp Asp Lys Thr Cys Asn Pro Thr Asp Phe Met
 20                  25                  30

GTT ACC CAA ACC ATA ACT GGA TTG ACA ATC GGC GGT AAA CAA        222
Val Thr Gln Thr Ile Thr Gly Leu Thr Ile Gly Gly Lys Gln
     35                  40                  45

GAG TTC GAG GTC AAT TTA ATA AAC AAT TTG TAT TGT GCA CAA        264
Glu Phe Glu Val Asn Leu Ile Asn Asn Leu Tyr Cys Ala Gln
         50                  55                  60
```

FIGURE 1 (II)

```
TCT AAT GTC AAA GTT TCA TGT GAC GGG CTT CAT ACC ACC GAA     306
Ser Asn Val Lys Val Ser Cys Asp Gly Leu His Thr Thr Glu
             65                  70                  75

CCA ATA GAT CCT CAC ATT ATC AGA CCA CTT AGT GAC GGA ACG     348
Pro Ile Asp Pro His Ile Ile Arg Pro Leu Ser Asp Gly Thr
                 80                  85

AAC AAC TGC CTT GTC AAC AAT GGA GCG CCT ATT TCT CAT GCT     390
Asn Asn Cys Leu Val Asn Asn Gly Ala Pro Ile Ser His Ala
 90                  95                  100

ACT CTT GTA GCA TTC AAG TAT GCC TGG GAT GTT CCT CCA TCT     432
Thr Leu Val Ala Phe Lys Tyr Ala Trp Asp Val Pro Pro Ser
    105                 110                 115

TTC AGC ATC ATC AGC TCT GAT ATA AAT TGC TCC TAA             468
Phe Ser Ile Ile Ser Ser Asp Ile Asn Cys Ser OCH
        120                 125

GGAGAAA ATTCTAGTTG GCAGAGAATA ATCATATAGT CTTTTTTACT         515
```

FIGURE 1 (III)

```
GAGCTATTTA ATTTTTTCAA TTTTCACCAA TAAGATTATT TTAATGGAAT     565
GTTAATGTAT TAGAATTGAA AAATAAAAAA AAAAAAAAAA AAAAAAAAAA     615
AAAAAAAAAA                                                 625
```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GCs
Leaf
Pollen
Stem
0.8 kb
0.53 kb
B
Generative cells
Pollen
16
32
64
128
256
512
1024
2048
4096
16
32
64
128
256
512
1024
2048
4096
1 Leaf
1 Stem
1 Petal
1 Stigma/style
1 Ovary
- mRNA
0.53 kb
0.12 kb

FIG 2

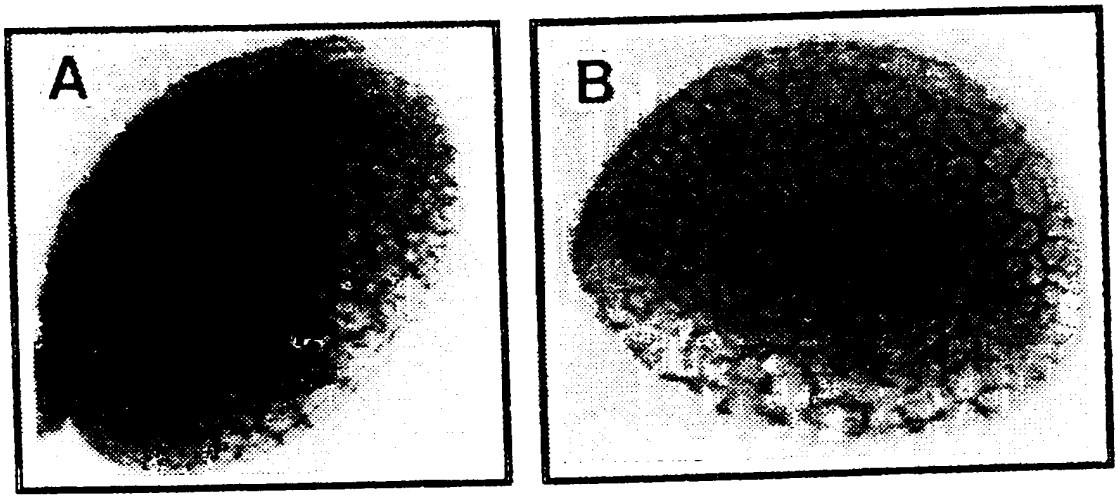


FIG 3

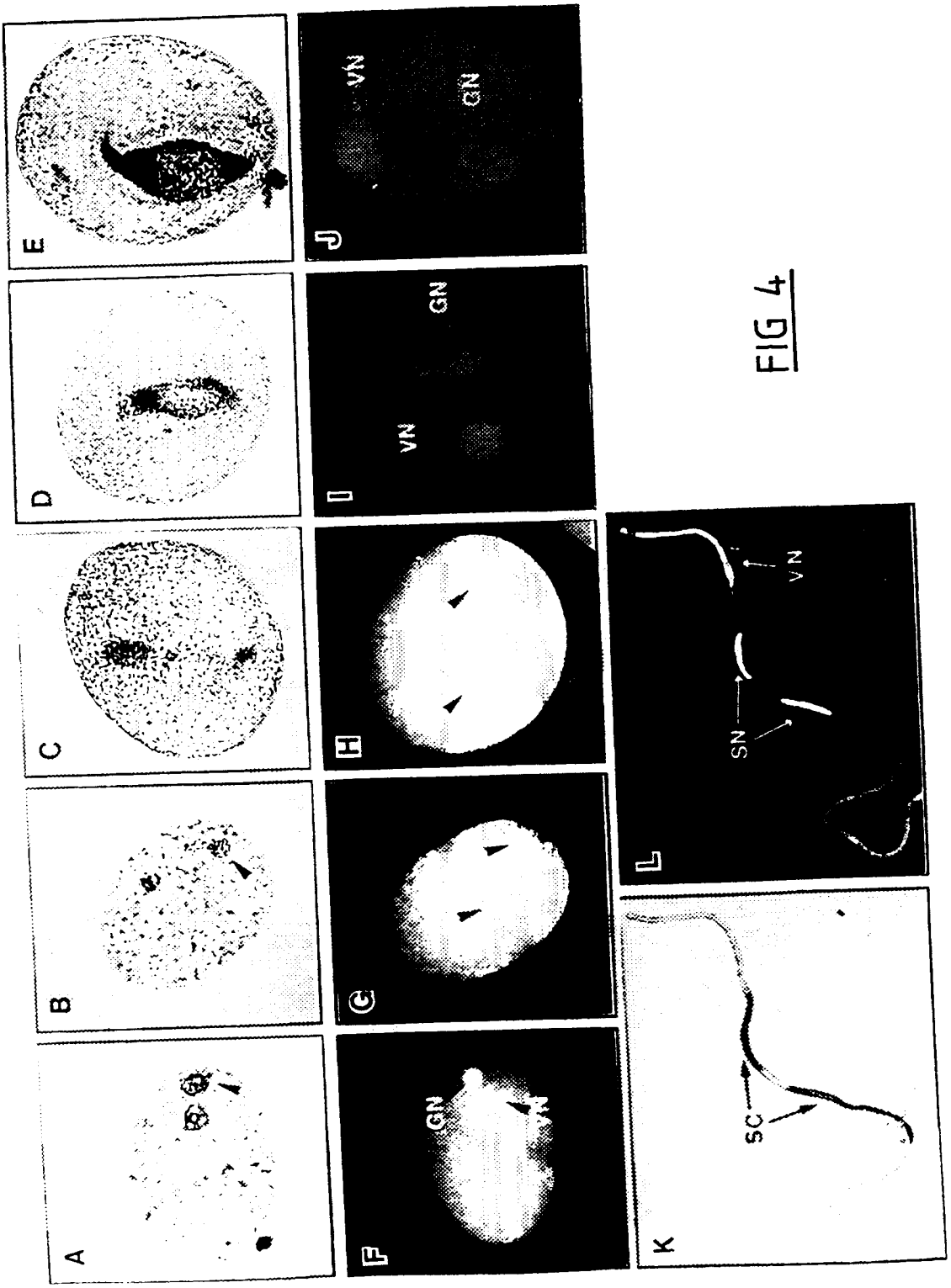


FIG 4

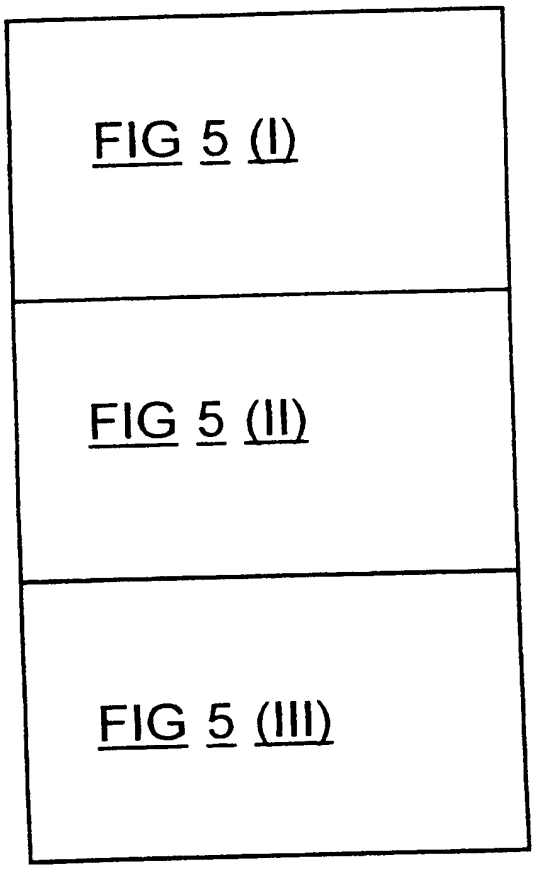


FIG 5

FIGURE 5 (I)

```
GAAAGTTGAA ACATCTCCAT CAAACTCTAG AGTCAGATTT CCCACAAG                    48

ATG ATT TCA TCG GCA AAT AAC AAA GGC GCC GGC ACA AGC                    87
Met Ile Ser Ser Ala Asn Asn Lys Gly Ala Gly Thr Ser
                5                  10

CGC CGC AAG CTC CGT TCT GAG AAG GCT GCA CTC CAG TTC                   126
Arg Arg Lys Leu Arg Ser Glu Lys Ala Ala Leu Gln Phe
    15                  20                  25

TCC GTC AGT CGC GTC GAA TAC TCC CTC AAG AAG GGG CGC                   165
Ser Val Ser Arg Val Glu Tyr Ser Leu Lys Lys Gly Arg
            30                  35

TAT TGC AGG CGC TTA GGC GCT ACG GCC CCC GTC TAC CTA                   204
Tyr Cys Arg Arg Leu Gly Ala Thr Ala Pro Val Tyr Leu
 40                  45                  50

GCC GCC GTC CTT GAA AAC CTC GTG GCC GAA GTG TTG GAC                   243
Ala Ala Val Leu Glu Asn Leu Val Ala Glu Val Leu Asp
        55                  60                  65
```

FIGURE 5 (II)

```
ATG GCG GCG AAC GTG ACA GAA GAA ACA TCC CCC ATT GTT       282
Met Ala Ala Asn Val Thr Glu Glu Thr Ser Pro Ile Val
                 70                  75

ATC AAA CCG AGG CAT ATT ATG CTT GCC CCC AGG AAT GAT       321
Ile Lys Pro Arg His Ile Met Leu Ala Pro Arg Asn Asp
     80                  85                  90

GTA GAA GTT GAA CAA GCT GTT TCA CGG TGT CAC CAT CTC       360
Val Glu Val Glu Gln Ala Val Ser Arg Cys His His Leu
             95                  100

GGC ATC AGG TGT CGT CCC TAAAACACGC AAAGAGCTGG             398
Gly Ile Arg Cys Arg Pro
105                      110

ACCGTCGCAA ACGCCGTTCC ACCTTTCAGC CGGATTAGTT CTTGATATTT    448

CATTCTATCA ATCTTGGTTA TGTGACTGTG ATTTTTCGTT TTGTGTTGAA    498
```

FIGURE 5 (III)

CTAAGCCCCC TAATCTGGAT TTCTCGTTTT ATGTTGAACT AAGTCTGTGC 548

ACTCTTGAAG TAAAAAAAAA AAAAAAAAAA AAAAAAAAA 587

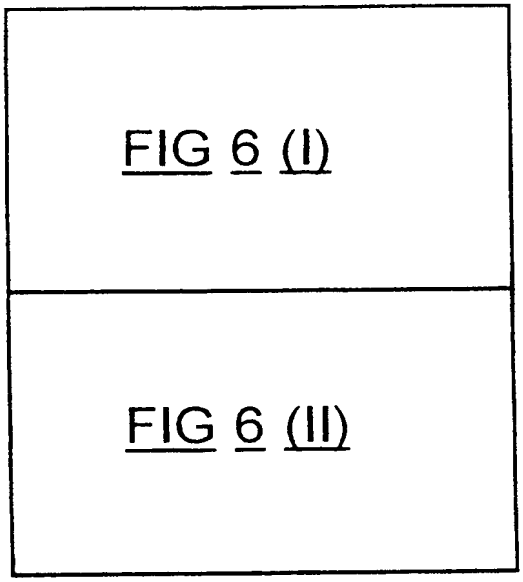


FIG 6

FIGURE 6 (I)

```
GATCCCAAAT CATCA ATG ACG ATC CCC GAA AAG AAA TCC GTC          42
                 Met Thr Ile Pro Glu Lys Lys Ser Val
                   1               5

GCT CCG ATG GCC CGT ATG AAG CAT ACA GCC CGC ATG TCT          81
Ala Pro Met Ala Arg Met Lys His Thr Ala Arg Met Ser
 10                  15                  20

ACC GGC GGT AAG GCT CCA CGC AAG CAG CTC GCC TCT AAG         120
Thr Gly Gly Lys Ala Pro Arg Lys Gln Leu Ala Ser Lys
         25                  30                  35

GCT CTT CGC AAG GCG CCA CCA CCA CCG ACC AAA GGA GTG         159
Ala Leu Arg Lys Ala Pro Pro Pro Pro Thr Lys Gly Val
                 40                  45

AAG CAG CCC ACC ACT ACC ACC TCC GGA AAA TGG CGC TTC         198
Lys Gln Pro Thr Thr Thr Thr Ser Gly Lys Trp Arg Phe
     50                  55                  60
```

FIGURE 6 (II)

```
GCG AGA TTT CAC AGG AAA CTG CCA TTC CAA GGG CTG GTG          237
Ala Arg Phe His Arg Lys Leu Pro Phe Gln Gly Leu Val
                65                  70

AGG AAA ATC TGG CAG GAC TTG AAG ACA CAT CTG CGC TTC          276
Arg Lys Ile Trp Gln Asp Leu Lys Thr His Leu Arg Phe
 75                  80                  85

AAG AAC CAC TCG GTT CCT CCA CTT GAG GAG GTA ACT GAG          315
Lys Asn His Ser Val Pro Pro Leu Glu Glu Val Thr Glu
        90                  95                 100

GTT TAT CCT TGC CAA ACT ATT GGA GGA TGC TAT                  348
Val Tyr Pro Cys Gln Thr Ile Gly Gly Cys Tyr
               105

TAGGATATTG AATTTGGATA ATGGTTTAAT TATCTGTTCT ACCTTTATGA       398

TCAAATTTCT GTGGCTCAGC GTTGTGTAAT TTGGGCAATC GAATTCTTAG       448

CTATATTGCC TCAAAAAAAA AAAAAAAAAA AAAAAAA                    485
```

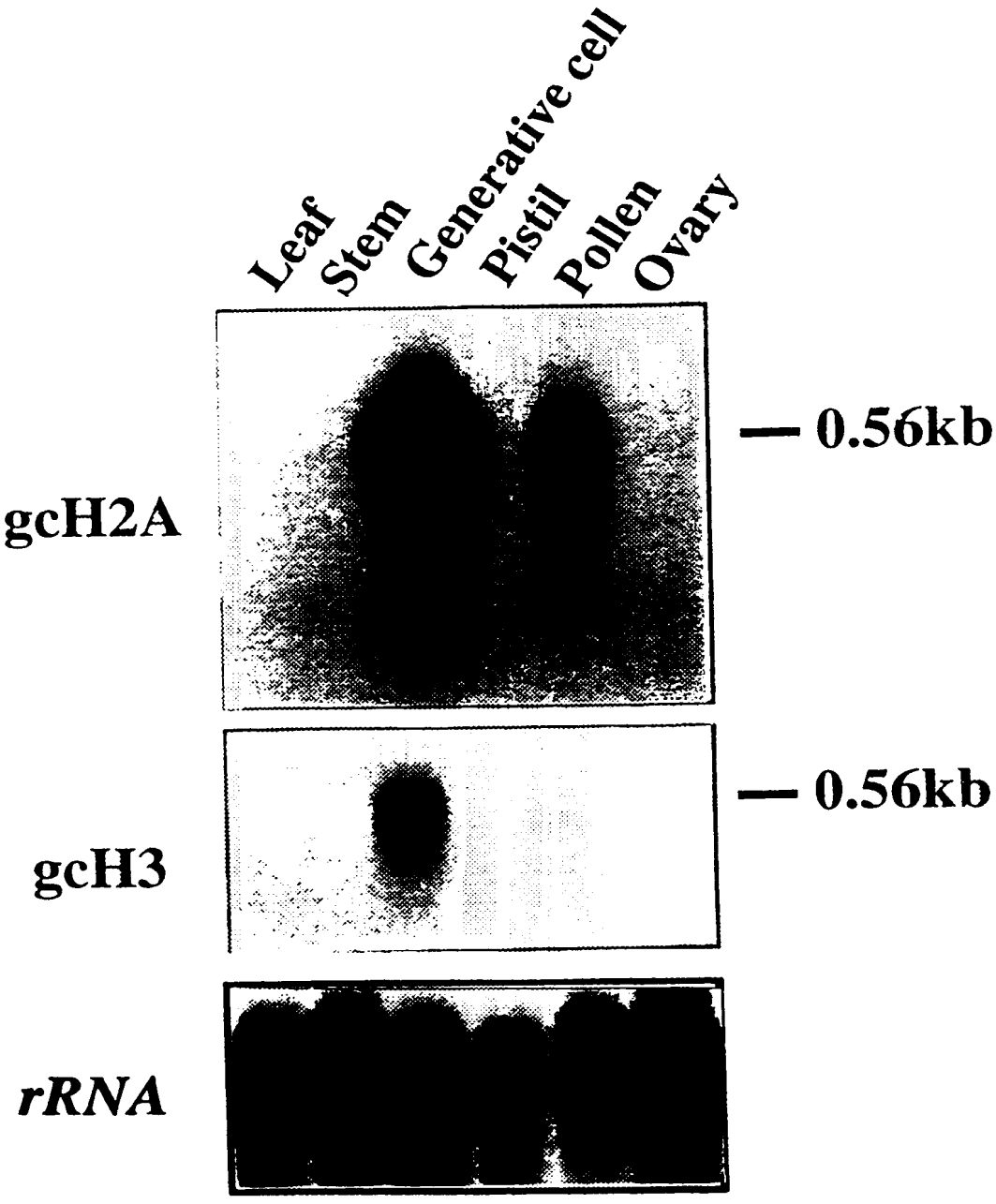

Leaf
Stem
Generative cell
Pistil
Pollen
Ovary
gcH2A
0.56kb
gcH3
0.56kb
rRNA

FIG 7

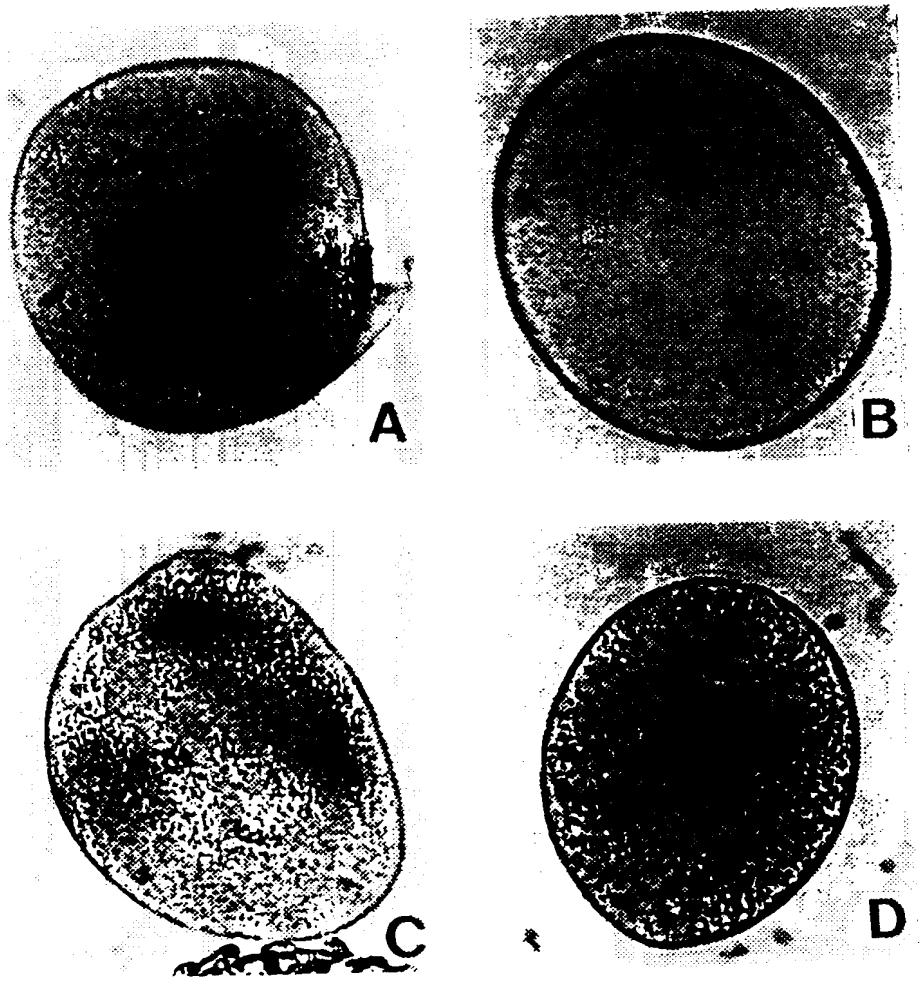


FIG 8

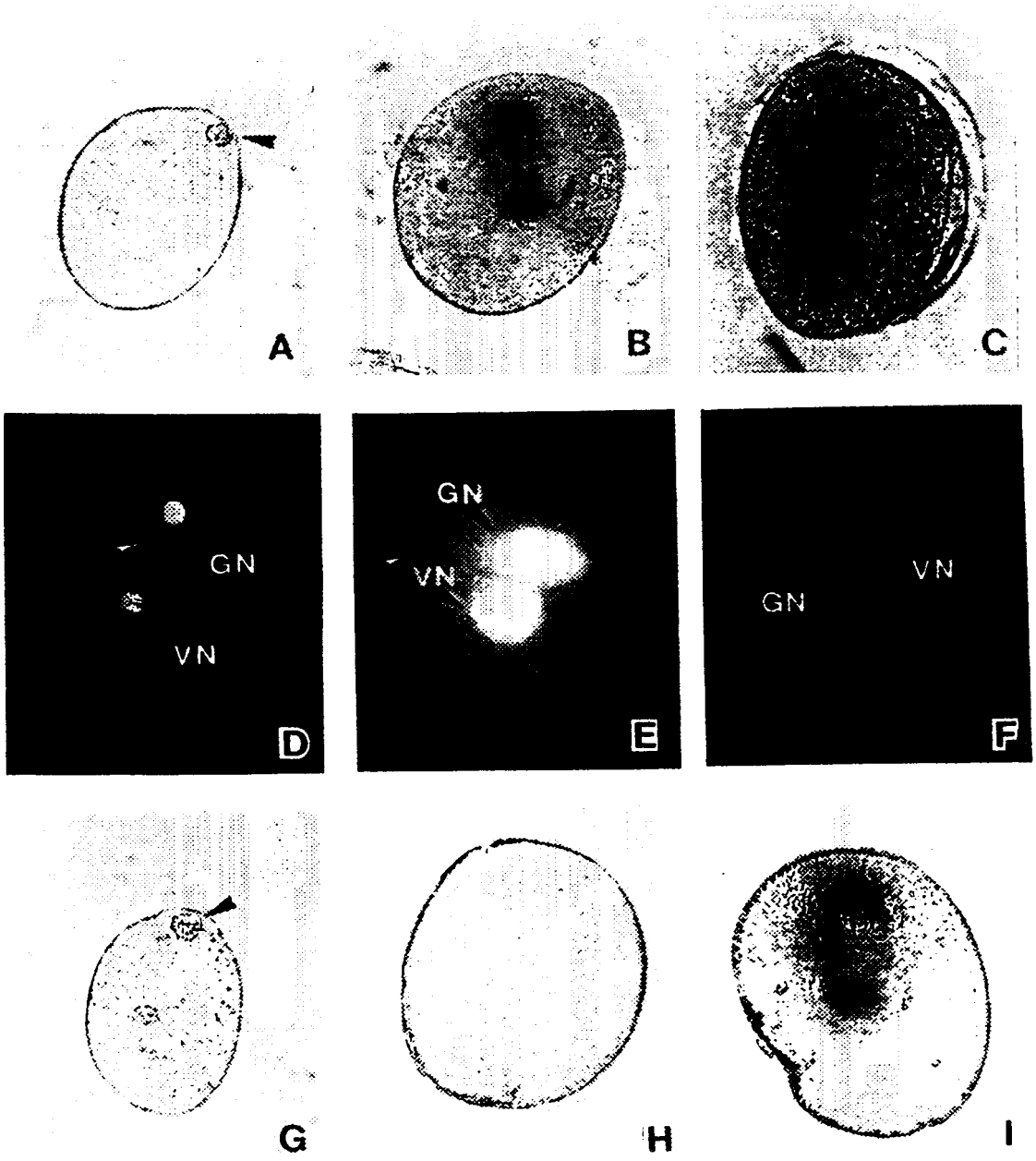


FIG 9

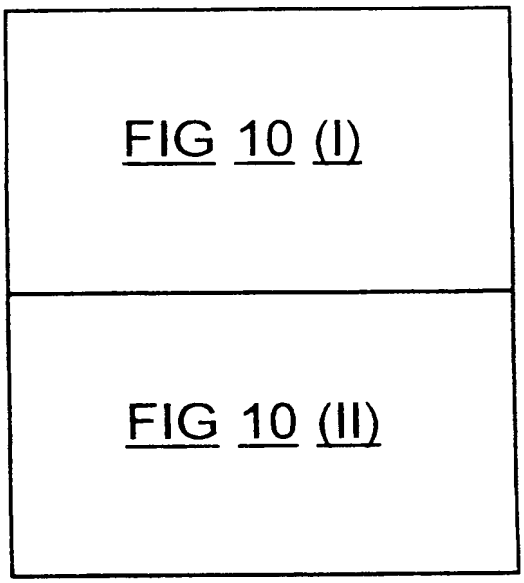


FIG 10

FIGURE 10 (I)

GGAGGGTGTT	GGAATTAGGT	TTGCCTAGGG	TTTGCCTAGG	TTTAGAGAAA	50
TAGTCAAAAT	TGTCCTATTC	TATAGGCATG	ATTTAGTAGT	GAGTTAATTA	100
TCCTATAATT	TCTCTTCTTG	TATGCTCAAA	TAACTGGTTC	TTTAATGAAT	150
AGATAATTAA	GTTTTGTAGC	AATTTCTTCC	TCAAATTGAG	TATCAACAAT	200
TGTTAGATTG	CTTTGGTGAT	TATATTTGAT	ATAATTGTTT	GTAAGAATGT	250
GTAGTGAAAA	GATTGTGATT	ATTCATTTCG	TTGTTGGACG	AATTGTTAGA	300
GCCCCATCGC	TAATGCCTTA	TAGTACTCGA	AATATGTTGG	GAATAGAAGA	350
TGAAAAATCC	CATTCTTTGT	AGTAGGAGTA	AAAATTTGTC	TTTTCATTAT	400
TCCATTGAAT	GTTAACCACT	TGCCATTCAT	CTGACGGGGA	TGGCAGAGTT	450
CCGACCATCT	AGTGATCCGT	GGGATATTGA	TTTTGGTGTG	TCAATGAAAT	500
TGTGAGAACG	GGCTTCTGGG	AGAGAAAAGC	CCTCTTGCCT	CTGATATGAA	550
CACTGAGGCT	GATTATGTTA	ACGGATGGAG	ATTTATCAGT	GGCTGAATTT	600
GGGTGCTGTA	GAGACAGAAT	TTGAAAGTTC	TAACAATAAA	CCCTAATTCT	650
GAACTTGGGC	GGGGCTGGGA	TTTTACTCTT	AACGTGAAGA	GAGGCAAGAT	700
GAATTGACAG	CTTGGAAGTC	GATCCAGTAT	TTGCAGCAGT	CGTGACGAAT	750

FIGURE 10 (II)

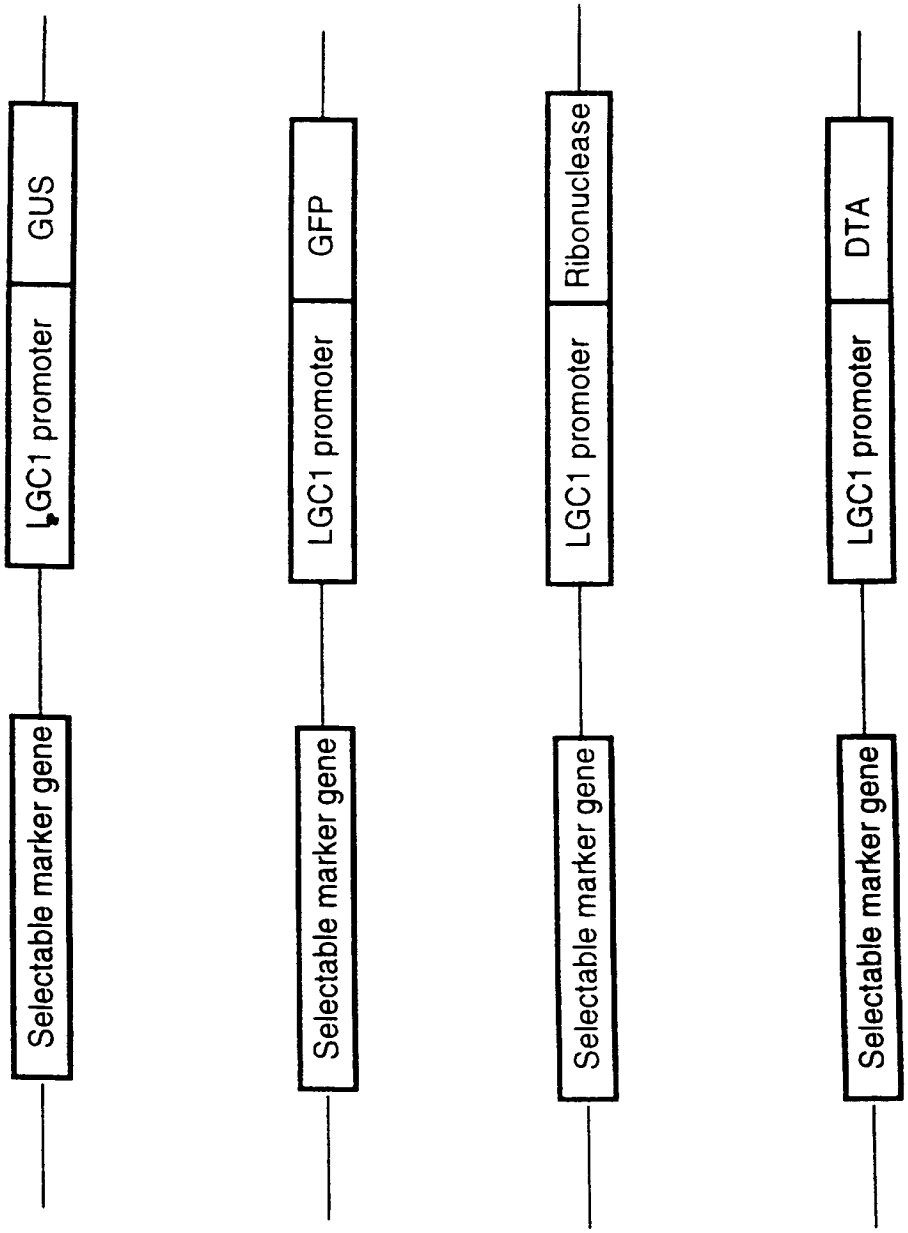
TGGTTGGACA GTTACATCGG TCAGAGAATG CGTTCTATAA ATTCCCCCAA 800

TGCGGCAGTG AAAATC**C**CAT CCCATCAACA GAAGTTTTAA GTGGAAACCC 850

ATTCCAATAG AGAAGATCGA ACAAAGGGTA TTTAAACATA CAA**ATG**GGGG 900

CAGTGGTGTT TCTTTTTGCT TGCGTTCTCT TCTGTATGGT TCACA 945

FIG 11


GUS
LGC1 promoter
Selectable marker gene
GFP
LGC1 promoter
Selectable marker gene
Ribonuclease
LGC1 promoter
Selectable marker gene
DTA
LGC1 promoter
Selectable marker gene

A

B

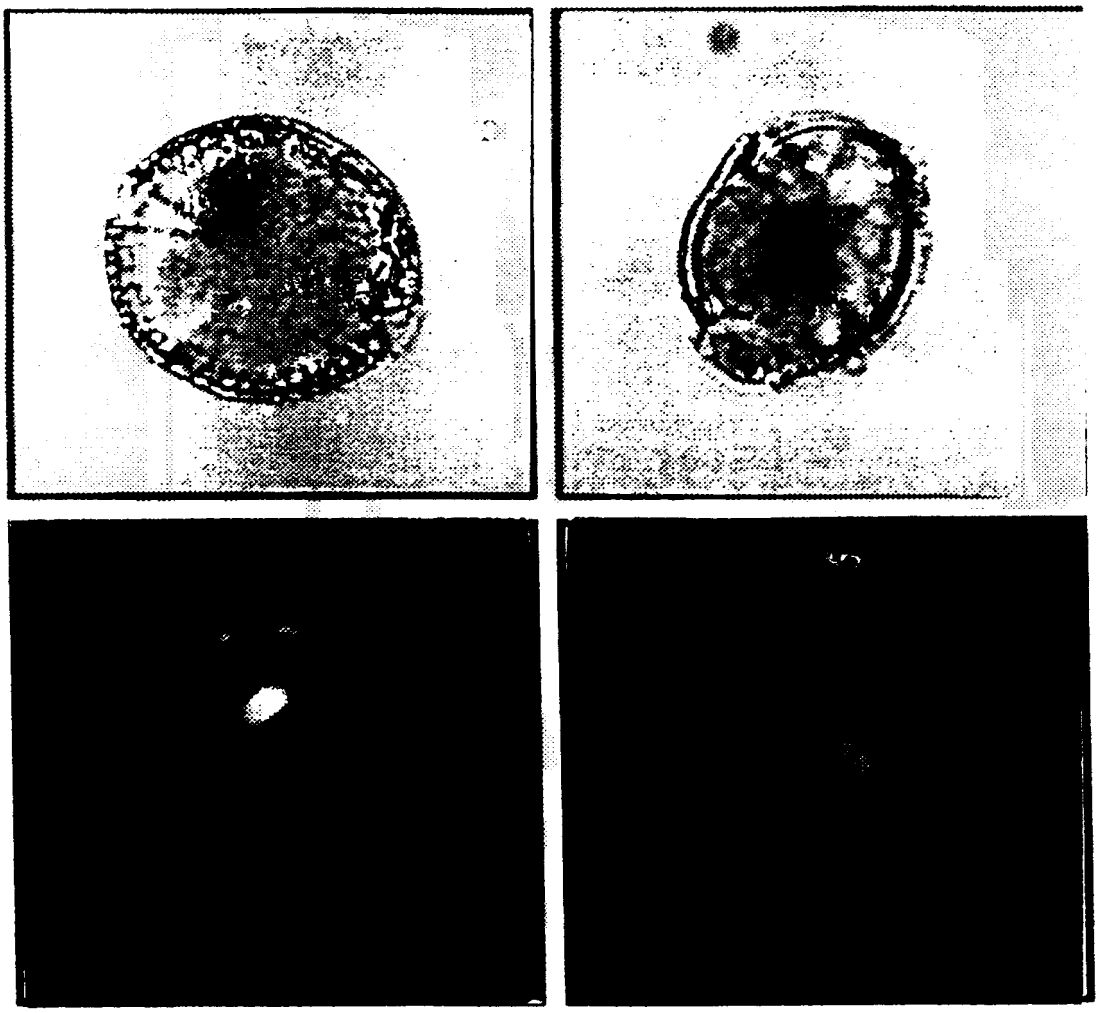


FIG 12